

V. Balasubramanian

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|              |    |         |   |
|--------------|----|---------|---|
| NEWS         | 1  |         | Web Page URLs for STN Seminar Schedule - N. America   |
| NEWS         | 2  |         | "Ask CAS" for self-help around the clock  |
| NEWS         | 3  | Feb 24  | PCTGEN now available on STN   |
| NEWS         | 4  | Feb 24  | TEMA now available on STN   |
| NEWS         | 5  | Feb 26  | NTIS now allows simultaneous left and right truncation  |
| NEWS         | 6  | Feb 26  | PCTFULL now contains images   |
| NEWS         | 7  | Mar 04  | SDI PACKAGE for monthly delivery of multifile SDI results   |
| NEWS         | 8  | Mar 24  | PATDPAFULL now available on STN   |
| NEWS         | 9  | Mar 24  | Additional information for trade-named substances without structures available in REGISTRY  |
| NEWS         | 10 | Apr 11  | Display formats in DGENE enhanced   |
| NEWS         | 11 | Apr 14  | MEDLINE Reload  |
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| NEWS         | 18 | May 15  | Supporter information for ENCOMPAT and ENCOMPLIT updated  |
| NEWS         | 19 | May 19  | Simultaneous left and right truncation added to WSCA  |
| NEWS         | 20 | May 19  | RAPRA enhanced with new search field, simultaneous left and right truncation  |
| NEWS         | 21 | Jun 06  | Simultaneous left and right truncation added to CBNB  |
| NEWS         | 22 | Jun 06  | PASCAL enhanced with additional data  |
| NEWS         | 23 | Jun 20  | 2003 edition of the FSTA Thesaurus is now available   |
| NEWS         | 24 | Jun 25  | HSDB has been reloaded  |
| NEWS         | 25 | Jul 16  | Data from 1960-1976 added to RDISCLOSURE  |
| NEWS         | 26 | Jul 21  | Identification of STN records implemented   |
| NEWS         | 27 | Jul 21  | Polymer class term count added to REGISTRY  |
| NEWS         | 28 | Jul 22  | INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available   |
| NEWS EXPRESS |    | April 4 | CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003 |
| NEWS HOURS   |    |         | STN Operating Hours Plus Help Desk Availability   |
| NEWS INTER   |    |         | General Internet Information  |
| NEWS LOGIN   |    |         | Welcome Banner and News Items   |
| NEWS PHONE   |    |         | Direct Dial and Telecommunication Network Access to STN   |
| NEWS WWW     |    |         | CAS World Wide Web Site (general information)   |

Enter NEWS followed by the item number or name to see news on that specific topic.

10/098,638

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:17:53 ON 28 JUL 2003

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

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ENTRY

SESSION

FULL ESTIMATED COST

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0.21

FILE 'CAPLUS' ENTERED AT 11:18:06 ON 28 JUL 2003

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FILE COVERS 1907 - 28 Jul 2003 VOL 139 ISS 5

FILE LAST UPDATED: 27 Jul 2003 (20030727/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s micromixing

L1 766 MICROMIXING

=> s triazine

L2 36350 TRIAZINE

=> s l1 and l2

L3 0 L1 AND L2

=> s phase

L4 1427873 PHASE

=> s l4 and separation

165181 SEPARATION

L5 31887 L4 AND SEPARATION

=> s l1 and l5

L6 1 L1 AND L5

10/098,638

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=> d 16 bib abs

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L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:661308 CAPLUS

DN 135:200543

TI Method for the preparation of microcapsules and nanocapsules by  
**micromixing** technique

IN Lange, Ilona; Kirsten, Christian N.; Roth, Marcel

PA Henkel K.-G.a.A, Germany

SO PCT Int. Appl., 13 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

|      | PATENT NO.   | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|--|------|----------|------------------|----------|
|      | -----  | ---  | -----    | -----            | -----    |
| PI   | WO 2001064331  | A1   | 20010907 | WO 2001-EP2240   | 20010228 |
|      | W: JP, US  |      |          |                  |          |
|      | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR   |      |          |                  |          |
|      | DE 10010194  | A1   | 20010913 | DE 2000-10010194 | 20000302 |
| PRAI | DE 2000-10010194   | A    | 20000302 |                  |          |
| AB   | The invention concerns the prepn. of cosmetic and pharmaceutical microcapsules and nanocapsules in a <b>micromixing</b> device under laminar flow conditions; the encapsulation is performed according to known methods, e.g. <b>phase</b> sepn., polymn., solvent evapn., hydrogel formation, using wax and lipid melts, etc. Applying the <b>micromixing</b> technique decreases the amt. of emulsifier or no emulsifier is required. Various substances are encapsulated by the method, e.g. cosmetics, enzymes, dietary supplements, adhesives, antibiotics, antimicrobial agents, fungicides, vitamins, cells, nucleic acids, etc. Thus for the encapsulation of .beta.-carotene in paraffin a heatable micromixer comprising a 25 .mu.m diam. mixing chamber capillary was used in conjunction with two HPLC pumps; flow rate was set to 10 mL/min. 0.5 G .beta.-carotene were dissolved in 50.0 g paraffin (m.p. 44-46.degree.C) at 60.degree.C; the soln. was mixed in the micromixer with water at a ratio 1:5 while maintaining 50.degree.C. The paraffin-water dispersion was pumped into 1 L ice water; the formed paraffin drops with the encapsulated paraffin were measured by dynamic light scattering; the particle size distribution was 30-140 .mu.m. |      |          |                  |          |

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> log y

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 10.55      | 10.76   |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| -0.65      | -0.65   |

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| NEWS 13 | SEP 09 | CA/CAPLUS records now contain indexing from 1907 to the present                            |
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| NEWS 28 | Jul 22 | INPADOC: Basic index (/BI) enhanced; Simultaneous Left and                                 |

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Right Truncation available  
NEWS 29 AUG 05 New pricing for EUROPATFULL and PCTFULL effective  
August 1, 2003  
NEWS 30 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN  
NEWS 31 AUG 15 PATDPAFULL: one FREE connect hour, per account, in  
September 2003  
NEWS 32 AUG 15 PCTGEN: one FREE connect hour, per account, in  
September 2003  
NEWS 33 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in  
September 2003  
NEWS 34 AUG 15 TEMA: one FREE connect hour, per account, in  
September 2003  
NEWS 35 AUG 18 Data available for download as a PDF in RDISCLOSURE  
NEWS 36 AUG 18 Simultaneous left and right truncation added to PASCAL  
NEWS 37 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right  
Truncation  
NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 09:46:30 ON 12 SEP 2003

|                      |            |         |
|----------------------|------------|---------|
| => file caplus       |            |         |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL   |
|                      | ENTRY      | SESSION |
| FULL ESTIMATED COST  | 0.21       | 0.21    |

FILE 'CAPLUS' ENTERED AT 09:46:39 ON 12 SEP 2003  
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FILE COVERS 1907 - 12 Sep 2003 VOL 139 ISS 11  
FILE LAST UPDATED: 10 Sep 2003 (20030910/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s porous(l)glass
      184425 POROUS
      617675 GLASS
L1      15783 POROUS(L)GLASS
```

```
=> s micromixing
L2      770 MICROMIXING
```

```
=> s l1 and l2
L3      1 L1 AND L2
```

```
=> d l3
```

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1990:101464 CAPLUS  
DN 112:101464  
TI Experimental studies of model porous media fluid dynamics  
AU Yarlagadda, A. P.; Yoganathan, A. P.  
CS Georgia Inst. Technol., Sch. Chem. Eng., Atlanta, GA, 30332, USA  
SO Experiments in Fluids (1989), 8(1-2), 59-71  
CODEN: EXFLDU; ISSN: 0723-4864  
DT Journal  
LA English



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```
=> s phase(l)separation
      1439024 PHASE
      167349 SEPARATION
L4      15128 PHASE(L)SEPARATION
```

```
=> l2 and l4
```

L2 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

```
=> s l2 and l4
```

```
L5      1 L2 AND L4
```

```
=> d l5
```

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L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:661308 CAPLUS

DN 135:200543

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IN Lange, Ilona; Kirsten, Christian N.; Roth, Marcel

PA Henkel K.-G.a.A, Germany

SO PCT Int. Appl., 13 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

|        | PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|--------|---|------|----------|------------------|----------|
|        | -----   | ---  | -----    | -----            | -----    |
| PI     | WO 2001064331   | A1   | 20010907 | WO 2001-EP2240   | 20010228 |
|        | W: JP, US   |      |          |                  |          |
|        | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, |      |          |                  |          |
|        | PT, SE, TR  |      |          |                  |          |
|        | DE 10010194   | A1   | 20010913 | DE 2000-10010194 | 20000302 |
| PRAI   | DE 2000-10010194  | A    | 20000302 |                  |          |
| RE.CNT | 3   |      |          |                  |          |

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FULL ESTIMATED COST

11.88

12.09

STN INTERNATIONAL LOGOFF AT 09:48:41 ON 12 SEP 2003